Specification No.: 5520-FM-318902

**DR No:** 4530

February 1, 2002

Rev. K

Traveler Title:		Specification No:	Revision: DR No:
Booster Multipole Co	prrector Magnet Measurements at MTF	5520-TR-333854	NONE 4530
Step No:		Routing Form No: Serial	
1.1	5520-ME-445004		BMA054 0
Discrepancy Descripti	ion:		
the magnet is ready for Actual attempt to perform shorted to the upper condition. Actual attempt to pare shorted to the upper 2.) The repair has been	orm a hipot to the cooling tubes discover cooling tube circuit.  erform a hipot to the cooling tubes discover cooling tube circuit.  In made to the NQ, NS to upper cooling now indicates that the NQ has a soft should be a soft s	red that the Normal Quad and overed that the Normal Quad tube soft shorts.	the Normal Sextupole circuits are and the Normal Sextupole circuits
Originator:			Date:
Dennis G	aw		6/17/2008 11:02:36 AM
Cause of Nonconform	ance:		
	Clock position and the NS coil at the 3	"O" Clock position are short	ed to the upper cooling tube circuit.
Responsible Author	ority:		Date:
Dennis G	aw		6/17/2008 11:02:36 AM

Specification No.: 5520-FM-318902

**DR No:** 4530

February 1, 2002

## Rev. K

ъ.		• . •	
Dis	nne	1111	ωn.
	$\rho \sigma_0$	1111	UII.

<u> </u>					
1. Put the magnet in vacuum oven and pump down to 40 um for 3 days. Re-test the magnet. 2. If the magnet still fails the electrical test, turn it up side down for the closer inspection around the 3 "O" Clock position. 3. If the electrical shorts are repaired then, perform a flow and hydro of the upper and lower water circuits and retest the coils					
electical properties.  Disposition verify notes: The magnet was inserted into the vacuum tank for impregnation, while it was in the tank and before it was impregnated with epoxy a hipot test was performed, the data sheet indicates that the hipot current leakage is acceptable and the data sheet was inserted into the traveler.					
Responsible Authority: Sasha Makarov	Date: 6/25/2008 2:23:58 PM				
Corrective Action to Prevent Recurrence:					
Not clear yet Disposition verify notes: None.					
Responsible Authority: Sasha Makarov	Date: 6/25/2008 2:23:58 PM				
Corrective Action/Disposition Verified By:  Dennis Gaw	Date: 12:00:00 AM				
Will Configuration be affected?: ☐ YES ✓ NO					
Identified problem area:					
☐ Material ☐ Manpower ☑ Method ☐ Machin	ne				
Reviewed By:  Bob Jensen	<b>Date:</b> 9/4/2008 3:33:11 PM				